



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

646.9502
Job Sheet 166723-J



Part No: 646.9502

Job Qty: 1 ea

Part Name: 206A/B/L-Series Cable Cutter System, Low



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 10/16/17

Job Tracking No:

Due Date: 11/24/17

Created By: Victoria Michaud-Febrille

Type: Stock

Description:

Customer: L3 Army Fleet Support LLC (CARMY01)

Army Fleet Support Cairns Field Bldg 30300 Specker Street Fort Rucker, AL, 36362 USA ph:(334) 255-8373

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Due Date	Standard		Workcenter/Supplier	
				Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time
90	Start up Operation	1 Ea	11/24/17	0.00	0.00	Start up container	
110	Packaging	1 pcs	11/24/17	0.00	0.00	Packaging1	
120	QC	1 pcs	11/24/17	0.00	0.00	QC4	
125	DC	1 pcs	11/24/17	0.00	0.00	DC	
130	Packaging	1 pcs	11/24/17	0.00	0.00	Packaging3	
140	QC21-FG	1 Ea	11/24/17	0.00	0.00	QC21	

Part Op 125 - Photocopy bluefile & type labels per PPP 646.9502

Descriptions: 130 - Identify and pack for shipping as per PPP 646.9502 Location :FG101

DAS
21
S-19

JAN 29 2018

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	600.0990	1	0	0	0
	600.0991	1	0	0	0
	600.1012	1	0	0	0
	646.9601	1	0	0	0
	646.9603	1	0	0	0
	646.9810	1	0	0	0
	646.9910	1	0	0	0
	647.0110	1	0	0	0
	647.0111	1	19	0	0
	647.0112	8	161	0	0
	647.0113	2	34	0	0
	647.0114	1	44	0	0
	647.0115	2	39	0	0
	647.0116	2	42	0	0
	647.0210	1	1	0	0
	647.0310	2	17	0	0
	647.0410	1	20	0	0
	647.1210	1	21	0	0
	AN3-10A	8	38	0	0
	AN3-11A	8	77	0	0
	AN3-3A	1	96	0	0
AN743-13	1	27	0	0	
CCR264SS-3-06	8	207	0	0	
CCR264SS3-04	12	57	0	0	
CCR264SS3-02	4	100	0	0	

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabelled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

CR3212-4-4	501811	1	390	0	0
CR3212-5-4	5018110	8	123	0	0
CR3213-4-05	5018002	26	294	0	0
CR3213-4-1	5018080	14	300	0	0
CR3213-4-2	5018077	18	343	0	0
CR3213-4-3	5018070	18	370	0	0
CR3213-4-4	5018069	18	250	0	0
CR3213-4-6	5018067	20	397	0	0
MS21042-08	5018066	54	0	0	0
MS21042-3	5018065	17	0	0	0
MS21047-3	5018055	6	233	0	0
MS21059-3	5017522	2	411	0	0
MS21059L08	5017520	4	62	0	0
MS24694-S8	5017519	3	185	0	0
MS27039-08-06	5017515	4	25	0	0
MS27039-08-09	5017513	4	148	0	0
MS27039-08-11	5017511	43	1,598	0	0
MS27039-08-12	5017510	2	696	0	0
MS27039-08-13	5017509	6	191	0	0
MS27039-1-08	5017506	5	515	0	0
MS27039-1-11	5017505	5	240	0	0
MS35842-11	5017502	1	39	0	0
NAS1149F0332P	5017499	107	3,231	0	0
NAS1149FN832P	5017497	111	4,525	0	0
NAS1835-08	5017496	4	149	0	0

Part Specifications

Specifications could not be found.

Plex 10/16/17 10:35 AM dart.Michaud-Febrille.Victoria

DART
AEROSPACE
S035542



206A/B/L – Series Cable Cutter System, Low

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K64 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

PART NO: 646.9502

Original Serial #: S035542

Revision:

Operation:

Change No:

Start up Operation 01/25/18

Job No: 166723-J

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition			Completed By
					Lead hand / Supervisor Approval Verification
					QC / QA Coordinator Approval
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Master Unit 000082

Tel (613) 632-5200

Containers on Master Unit 000082				
Serial No	Part No	Customer Part No	Status	Quantity
S024522	600.0990	600.0990	Allocated	0
S024523	600.0991	600.0991	Allocated	0
S018612	600.1012		Allocated	0
S025911	646.9601	646.9601	Allocated	0
S024521	646.9810		Allocated	0
S018611	646.9910	646.9910	Allocated	0
S018610	647.0110		Allocated	0
S018609	647.0111		Allocated	0
S018607	647.0112	647.0112	Allocated	0
S018602	647.0113		Allocated	0
S018600	647.0114		Allocated	0
S018599	647.0115		Allocated	0
S018598	647.0116	647.0116	Allocated	0
S018597	647.0210	647.0210	Allocated	0
S025155	647.0310	647.0310	Allocated	0
S018594	647.0410		Allocated	0
S018592	647.1210		Allocated	0
S018150	AN3-10A	AN3-10A	Allocated	0
S018149	AN3-11A		Allocated	0
S018147	AN3-3A	AN3-3A	Allocated	0
S018144	AN743-13		Allocated	0
S018143	CCR264SS-3-06		Allocated	0
S018113	CCR264SS3-02		Allocated	0
S018117	CCR264SS3-04		Allocated	0
S024524	CCR264SS3-04		Allocated	0
S018111	CR3212-4-04		Allocated	0
S018110	CR3212-5-4		Allocated	0
S018082	CR3213-4-05		Allocated	0
S018080	CR3213-4-1	CR3213-4-1	Allocated	0
S018077	CR3213-4-2	CR3213-4-2	Allocated	0
S018070	CR3213-4-3		Allocated	0
S018069	CR3213-4-4		Allocated	0
S018068	CR3213-4-6		Allocated	0

S018067	MS21042L08		Allocated	0
S018066	MS21042L3	MS21042L3	Allocated	0
S018065	MS21047-3		Allocated	0
S017522	MS21059-3		Allocated	0
S017520	MS21059L08		Allocated	0
S017519	MS24694-S8		Allocated	0
S017515	MS27039-08-06		Allocated	0
S017513	MS27039-08-09		Allocated	0
S017511	MS27039-08-11		Allocated	0
S017510	MS27039-08-12		Allocated	0
S017509	MS27039-08-13	MS27039-08-13	Allocated	0
S017506	MS27039-1-08		Allocated	0
S017505	MS27039-1-11		Allocated	0
S017502	MS35842-11		Allocated	0
S017499	NAS1149F0332P		Allocated	0
S017497	NAS1149FN832P		Allocated	0
S017496	NAS1835-08		Allocated	0

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02729				SHEET 1 OF 3	
	DWG NO. 646.9500	REV: N/C	PREPARED BY S. HUFF	DATE: 12/23/09	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: 206 CABLE CUTTERS KIT					
	APPROVED BY: ENGR <i>[Signature]</i>	REG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER		
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE						
REASON: HARDWARE REVISIONS FROM FIRST INSTALL						

51	A	601.3155	8	8	BOLT	AN3-10A
50	A	601.3153	5	5	SCREW	MS24694S8
41	R	601.2893	43	43	SCREW	MS27039-0811
28	R	601.2973	54	54	LOCKNUT	MS21042-08
18	R	601.2826	8	8	BOLT	AN3-11A
16	R	601.2764	127	127	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED: ☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM						CHANGE CATEGORY ☐ MAJOR ☒ MINOR DER REVIEW REQUIRED ☐ YES ☒ NO

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO.			02736		SHEET 1 OF 1	
	DWG NO. 646.9500		REV IN/C	PREPARED BY	S. HUFF	DATE: 01/06/10	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: 206 CABLE CUTTERS KIT						
	APPROVED BY:	ENGR. <i>[Signature]</i>	MFG. <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER		
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE		REASON: CORRECTED PARTS LIST ERRORS					

17	R	601.1607	62	62	WASHER	NAS1149F0332P
16	R	601.2764	111	111	WASHER	NAS1149FN832P
			9502	9501		
F/N	TC	PART NUMBER	QTY		DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED:					CHANGE CATEGORY	DER REVIEW REQUIRED
☐ MDL ☒ INSTALL INSTRUC ☒ ICA ☐ FMS ☒ BOM					☐ MAJOR ☒ MINOR	☐ YES ☒ NO

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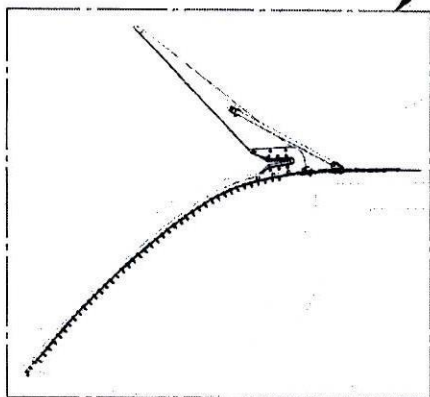
NOTES:

1 AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

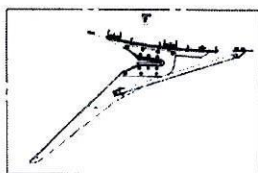
UNINCORPORATED ECN(S)

02729, 02736, 03047

DETAIL A



DETAIL B



FIND #	QTY	PART #	DESCRIPTION	MATL	SPEC.
1	1	49	601.1066 RIVET	CR3212-4-4	
1	1	48	600.0991 MAGNABOND 6398 PART B		
1	1	47	600.0990 MAGNABOND 6398 PART A		
1	1	46	600.1012 SEALANT	PP-H35 CLASS B	
5	5	45	601.1949 SCREW	MS27039-1-11	
2	2	44	601.2989 SCREW	MS27039-0812	
4	4	43	601.2987 SCREW	MS27039-0809	
4	4	42	601.3000 SCREW	MS27039-0806	

REV.	DESCRIPTION	DATE	APPROVED
1	LAST PROPOSED REVISION P02		PVC
2	FINAL RELEASE	06/03/09	P. BRAYD

47	47	41	601.2893	SCREW	MS27039-0811	
1	1	40	601.2982	HOSE CLAMP	MS35042-11	
1	1	39	647.1210	SCREEN		
5	5	38	601.1621	SCREW	MS27039-1-08	
14	14	37	601.2979	RIVET	CR3213-4-1	
4	4	36	601.2984	INSERT	MS1835-08	
4	4	35	601.2277	RIVET	CCP2445-09	
8	8	34	601.2983	RIVET	CR3212-5-4	
12	12	33	601.2980	NUTPLATE RIVET	CCP2445-104	
1	1	32	601.2822	BOLT	AN3-3A	
1	1	31	601.2985	BRACKET	AN745-12	
2	2	30	601.1900	NUTPLATE	MS21059-3	
6	6	29	601.2988	SCREW	MS27039-0813	
53	53	28	601.2973	LOCKNUT	MS21042-08	
6	6	27	600.0795	NUTPLATE	MS21047-3	
18	18	26	601.0790	RIVET	CR3213-4-3	
18	18	25	601.1039	RIVET	CR3213-4-2	
19	19	24	601.1915	RIVET	CR3213-4-4	
20	20	23	601.2991	RIVET	CR3213-4-6	
26	26	22	601.1183	RIVET	CR3213-4-5	
4	4	21	601.2356	NUTPLATE	MS21059-108	
8	8	20	601.2981	NUTPLATE RIVET	CCP2445-106	
17	17	19	601.2943	LOCKNUT	MS21042-3	
16	16	18	601.2826	BOLT	AN3-11A	
46	46	17	601.1607	WASHER	MS114998359	
114	114	16	601.2764	WASHER	MS114998359	
1	1	15	647.0115	CLIP		
1	1	14	647.0114	CLIP		
1	1	13	647.0410	TUBE		
2	2	12	647.0116	DOUBLER		
1	1	11	647.0111	PANEL		
2	2	10	647.0113	STRUT DOUBLER		
8	8	9	647.0112	STRUT BRACKET		
4	4	8	646.9910	STRUT		
2	2	7	647.0310	CHANNEL		
1	1	6	647.0110	ROOF DOUBLER		
1	1	5	647.0210	RAIL		
1	1	4	646.9810	DEFLECTOR		
1	1	3	646.9603	LOWER CUTTER ASSY LOW		
1	1	2	646.9602	LOWER CUTTER ASSY HIGH		
1	1	1	646.9601	UPPER CUTTER ASSY		
			646.9502	206 CABLE CUTTERS KIT LOW		
			646.9501	206 CABLE CUTTERS KIT HIGH		
4502	4501	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

QTY	DESCRIPTION	MATL	SPEC.
1	647.0115 CLIP		
1	647.0114 CLIP		
1	647.0410 TUBE		
2	647.0116 DOUBLER		
1	647.0111 PANEL		
2	647.0113 STRUT DOUBLER		
8	647.0112 STRUT BRACKET		
4	646.9910 STRUT		
2	647.0310 CHANNEL		
1	647.0110 ROOF DOUBLER		
1	647.0210 RAIL		
1	646.9810 DEFLECTOR		
1	646.9603 LOWER CUTTER ASSY LOW		
1	646.9602 LOWER CUTTER ASSY HIGH		
1	646.9601 UPPER CUTTER ASSY		
	646.9502 206 CABLE CUTTERS KIT LOW		
	646.9501 206 CABLE CUTTERS KIT HIGH		

APICAL INDUSTRIES

2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

206 CABLE CUTTERS KIT

REV.	DESCRIPTION	DATE	APPROVED
1	LAST PROPOSED REVISION P02		PVC
2	FINAL RELEASE	06/03/09	P. BRAYD